fres, is sufficient to retain tha parts in situ. In the ease of our patient the secretion of milk continued normal up to the period of cure.

The most advantageous position in cases of fractured steraum is to remain seated in bed, the head and the thorax being clovated, and the thighs flexed, se as to avoid the inconvenient tensine of the abdemical muscles, which oftee gives rise to displecement of the pertians of bone.

Absolute rest must be enjoined, much speaking is to be prohibited, and such efforts as coughing or sneezing must be avoided as much as possible. Three cushiens, one at the back end two at the sides of the thorax, will be advacta-

geaus in maintaining the patient in the proper positioe.

Lastly, it may be asked, how can fracture of the sterman occur during the parturient efforts?-a question, the answer to which enght to be interesting, not only to surgeons, but to all obstetricians, and especially to the numerous midwives, who are too indelent, and superstitiously place their patients io

strange, disadvantageous, and injurious positions.

It cannot be denied, that during pregnancy the size of the abdomen enermously distends all the tissues of the latter, and the muscles in general acquire a high degree of tension, as do all the abdominal muscles and these attached to the sternum; this anatomical condition may therefore become a ceacurrent eauso of fracture of the bone in question. In fact, scarcely do the expulsive uterine efforts commecce, when all the museles are put upen the stretch, and the sternum is drawn a little downwards; coesequently, if, instead of giving to the patient a position calculated rather to mederate this tension, she be placed is noother likely to augment the downward traction of the bone, fracture of the latter, if it occurs, may be attributed to the faulty position in which the woman is placed.

Signora Grossi would not have suffered fracture of the steraum if the midwife had not feelishly placed her on the ground, or, at best, upon a mattress; and had she not, when the mement of parturition arrived, been raised upon her hands, made an effort with hor arms, oed counter-extension with the the-racic muscles, the abdominal muscles at the same time drawing the sternan forcibly downwards; the bene was thus immediately acted on by two forces, the one theracie and superior, the other abdominal and inferior; it consequently gave way ie its upper third, and a fracture was produced, which might have caused death. The only means of proventing the recurronce of such and, still better, in the obstorio bed; but when this is not to be had, and if it is wished at all visite the delivers it then wretched above realest the state of the consequence of the cons is wished at all risks to deliver in these wretched chairs, against which svery surgeon ought to exclaim, it is necessary that the midwives should at least know, that in any position the legs ought to be in a state of relaxation on the thighs, and that the thorax of the patient should be a little clovated and supported by n cushion. Without such sound principles, parterior women, especially in the country, will be in one or other mode perpetually sacrificed.

Dublin Quart. Journ. of Med. Sci., Nov., 1857, from Bulletine delle Scienze Mediche di Bologna, April, 1857.

60. Ruplured Uterus treated by the Free Exhibition of Opium.-Dr. HARVEY communicated to the Medical and Surgicol Society of Cork (May 13, 1857), tho

following interesting example of this:-

"Mary Murphy, aged 38, a spare but healthy-leeking weman, was admitted into the Lying in Hospital, stated to have been in rather strong labour of her third child for the last thirty six hours; former labours reported to have been natural, and of about nine hours' duration. When seen at 2 o'clock P. M., the pains were strong and frequent, and she felt debilitated. Pulse about 100, week; howels confloed; no difficulty in passing urioo; the head was found eccupying the upper part of the cavity of the pelvis; presenting part codematous, and making slow advance; liquor amoii had been dribbling away since the doy before. She was ordered a turpentine eneme and some broth. Oc being suddenly summoned, about 7½ o'clock in the ovening, we found the woman in a state of great prostration; the pains had ceased, and the pulse was exceedlogly rapid cod weak; the head of the child hed receded out of reach of the fingers, a large globular tumour was felt in the epigastrium, and there was already some abdominal tenderness. She was not conscious of any sudden change of movement having taken place. It appeared that she had a severe

fall, with a basket of bread on her back, some weeks before,
"On consultation with Drs. Finn and Tanner, it was determined to attempt delivery by turning. This was easily necomplished, all being loose in the eavity of the uterus, the feetus still remaining partially within it, its head lying in a lax pouch over the os pubis. There being some difficulty in extracting the head, it was perfornted behind the enr, and delivery thus accomplished. Tho placenta followed readily, and there was little hemorrhage throughout. It was considered advisable that I should reintroduce my hand, with a view to free any intestino that might have got engaged in the wound, when I discovered a large oblique rent in the right side of the fundus, situated anteriorly, at least thren inches in extent; my fingers passed freely into the peritoneal

"The patient was very much exhausted after the aperation. The pulse was then 124, small and work; surface perspiring, but not cold. There was none of the brown vemiting frequently observed in such cases. A moderately tight bandago was applied, and sho was ordered to take two grains of opium immediately, and one grain every hour afterwards; to have arrowreet and

"Wo desired that we should be sent far if she were alive et 7 e'clock in the

"Second day, 8 o'clock A. M. A quiet night, but had little sleep; counte-

"Second day, 8 o'clock A. M. A quite night, but had little sleep; countenance not much sinken; abdominal tenderness rather increased; pulso 100, soft; tengue moist; has pessed water. Powdors regularly taken up to 6 o'clock. "2 o'clock P. M. Has been dozing a good deal; tympanitis and rather more tenderness; pulso 104, soft, but rather fullor; respirations 18; refers all her uneasiness to the origastrium. Twenty leoches to the abdomen, to be followed by founcitations, and afterwards a large poultiee. Powders continued.

"84 o'clock P. M. Has continued to slumber occasionally, but is easily acrused, and perfectly collected; considerable relief from the leaching. tymp

aroused, and perfectly collected; considerable relief from the leeching; tympanitle distension rather increased; countenance better. Has taken a good deal of arrowroot. No vomiting; urine freely passed. No powders have been taken since 3 o'clook, owing to a mistake. She is the take one grain of opium overy second hour, and half a drachm of mercurial cintment is to be rubbed

into the arms every eighth hour.
"Third day, 8 o'clock A.M. Slept a good deal; some vemiting of grass-green fluid this morning; lochia actural; pulse 108, soft. The powders to be continued every fourth hour; cataplasms and mercurial cintaient to be

continued.

"9 o'clock P.M. Occasional vomiting still; tympanitis and tendorness rather

diminished; lies on both sides somotimes; urino free.

"Fourth day, 11 o'clock A.M. Some sleep, but countenance a good deal sunk this morning, with dampness and diminished warmth of skin; pulso 120, weaker; was allowed to indulgo ton freely in drinks, and has vomited considerably more in consequence. A blister to be applied to the abdomen, and if the vomiting continuo in the ovening, an injection of broth, with half a drachm of tineture of opium, to be administered; to take a dessert-speenful of chickenbroth overy lialf hour.

"9 o'clock P. M. Vomiting has ceased, tendernoss and tympanitis perceptibly diminished; countenance improved; pulso 116, stronger; lochia have disappeared; dislikes her powders. To have the following pills: Opium, twolvo grains; extract of hemicek, a soruple, to be divided into twelve pills; one to be taken every third bour; the extaplasms and mercurial ciptment to be con-

tinued; and to have en increased quantity of broth.

"Fifth day, 11 o'clook A. M. Night restless, and yet her countenance is improved; no appearance of mercurial netion; blistered surface dressed with n drachm of mercurial cintment; frictions discontinued; pills to be continued.

"9 o'clock P. M. Puffing and tendornoss less than at any time during her illnoss; complains slightly of her mouth; continuo treatment,

"Sixth day. Three full, free, feculent evacuations; pulse 100, rather weak; tympanitis nearly gene; broth given more freely; biscuit, with milk; the pills continued.

"Seventh day. Bowels free; tongue clean; little tenderness, except in the neighbourhood of the rept; pills to be omitted, and the following draught to be taken at night: Battley's sedative liquor of opium, twenty minium; campher mixture, eleven drachms; syrup of orange, a drachm; nix.

"Eighth day, Slept well; no pain; tenderness nearly gone. Is tired of broth, tea, and biscuit; an egg beaten up with a dessert-speenful of wine, as

often as four times in the twenty-four hours.

"Twelfth day. Has continued to improve, with slight variations, during the last four days; debility naw appears to be the only saurce of complaint. Has continued her draughts of Battley's solution, and her wine. The following pill to be taken every fourth hour: Sulphate of quinia, two grains; extract of gentian, two grains and a half; mix.

"Evening. Pressing hard to be allowed home, and feigning inability to speak except when she wants to arge her point; bowels rather freer. Pills to be

centinued, and an opiate enema to be administered at night.

"Thirteenth day. Has obstinately refused her wine and pills since 6 o'clock last evening, and would not submit to the enema, notwithstanding which she has had a pretty good night; tongue naturel; pulse 96, of fair strength. Discontented and difficult to manage all through her illness, she now resolutely refuses all neurishment and medicine, though teld her recovery would as certainly follow compliance, as death must the centrary.

"I o'clock P. M. Iu the afternoon, about 31 o'clock, was induced by the priest to take some broth and a pill; she is, notwithstanding, evidently sinking to-night; the extremities are cold, and the pulse can scarcely be felt; she is

perfectly collected, and keeps to her resolution.

"Fourteenth day. Died about 4 o'clock this morning.

"Examination vist, with great difficulty, obtained by candicalight, in the presence of her father and mether. There was no distension of the ubdomen; intestines in the neighbourhood of uterns were extensively agglutinated to it, to each other, and to the abdominal parietes, by lymph in precess of organization; a few small sacculi, formed by lymph intesting spots of half an inch to an inch in diameter, where the intestines did not touch the parietes, contained purulent matter, but the quantity, in all, was by no means great; uterus about two inches and a half or three inches in diameter, adhering, on all sides, more or less to the neighbouring viscera; the rent, occupying right side of fundus, appeared to have closed throughout the whole of its length within, and through about two-thirds of the substance of the uterus from within outwards; externally it had the appearance of a granulating, incised wound, which had not been overly closed in the first instance, peuting a little towards the peritoneal surface; its length mew appeared about an inch, or perhaps a little more, say two-fiftles, of the diameter of the netrus.

"It was, of course, impossible to procure the specimen for preservation.

"The circumstance mest worthy of attention in the foregoing case is the fact, that though leeching, mercurials by the skin, and fomentations, were availed of as auxiliaries, the main treatment was the full exhibition of opium, so as to keep the patieut continually under its influence. The quantity taken was large—fifteen grains in the first twenty-four heurs, and fifty grains in all during the first week of her illness, besides a considerable quantity afterwards, in various ferms—ond yet, during the whole period, none of the poisenous effects of the remedy were observed; no narcotism, no delirium; in fact, there was entire absence of cerebral disturbance, or of any of the unpleasant consequences which so frequently follow from a grain or two taken under other states of the system. The bowels, after a slight interruption, acted fully and freely, and the urinary and cutaneous secretions were natural throughout. But for the dogged obstinacy of the weman herself, there seems little doubt but that she would have added one to the still small list of recoveries from ruptured uterus; the case was still sufficiently successful, however, to show the value of epium

in such cases; its sustaining and quicting effects gave nature the apportunity to make the effort at reparation which could scarcely have been effected other

"Persons not unfrequently sink without n rally under the shock consequent upon great and extensive injuries. Might not opium, given on the principles advocated above, afford such patients a chance of reaction, and ultimately of restoration ?"-Dub. Quart. Journ. of Med. Sci., August, 1857.

61. Purperal Fever.-The Academy of Medicine in Paris has for some time been occupied in a discussion on Puerperal Fever, in which the leading obstetricians of the French metropolis have given utterance at length to their opinions. From among the numerous speeches, we translate that of M. Cazeaux, as it

gives a very good digest of the different opinions entertained.

I think that it would be superfluous, after the speeches which you have heard,

to revert to the symptomatology and anatomical characters of the disease or diseases collectively described under the names of puerperal fever or puerperal peritonitis. These points in the discussion appear to me to have been sufficiently studied by M. Depaul and M. Cruveilhier. You are aware of the importance given by the last named speaker to lymphangitis among the alterations peculiar to puerperal fever; so much so, that he considers it characteristic of that disease. But that opinion has been rehemontly disputed by M. Béhier, who maintains, on the contrary, that, in autopsies of women who have died of puerperal fever, he has found inflammation of the veins more frequently than of the lymphatics. This assertion of M. Béhier's has surprised me greatly. I have, fur my own part, opened a good number of bodies of women who have died of puerperal diseases, and I declare that, like M. Cruveilhier, I have found pus much more frequently in the uterine lymphatics than in the veins. Does not M. Béhier's error depend on an anatomical confusion? For it is remarkable that, although he describes the pus as being in other vessels than M. Cruvoilhier does, he still finds it in the same parts of the uterus or its appendages; that is to say, in those portions which are particularly rich in lymphatic vessels. But there is one question which has in an especial degree excited the speakers; it is that of knowing what is the nature of puerperal fever, and what nosological rank it is proper to assign to the lesions which it presents.

In this respect the speakers have been divided into two camps. In the one, they admit the existence of an essential fever-of a pyrexia; in the other, they see only local phlegmasice. Up to the present moment M. Beau is the only one who has formally declared himself in favour of this latter doctrino. With regard to the destrine of essentiality, it has found supporters in M. Dopanl, who has the most boldly and the mest clearly loid down the question; in M. Danyau, who has also spoken out resolutely onough; in M. Tronsseau, who, after having formally rejected the puerperal fover, has so well generalized it subsequently, that he has admitted it not only for women in child bed, but even for women not in the puerperal state at all, for the fectus, for the new-born child, and for all subjects attacked by any kind of traumatism. M. Dubois has equally announced himself an essentialist; but he has produced no new arguments in favour of that opinion, and he has enveloped his ideas in such thick clouds, that it is difficult through such a veil to distinguish a pure essentialist. The question, therefore, is solely nud entirely between M. Dopaul and M. Beau.

M. Beau appears to me to have replied victoriously to M. Depaul, invoking the opidemic and contagious characters of the disease as proofs of its essentiality. I will not rovert to these arguments; but I will add that one of the characters of pyrexia, viz., the manifestations of the fover some days before the appearance of the local symptoms, as is the ease with typhus and smallpox, is not what is observed in puerperal fovor, in which the pain, which is the sign of local phicgmasiæ, shows itself almost at the same time as the shivering, which is the sign of the general pathological state. I find also a very good argument against essentialism in the speech of M. Dubois, who nevertheless makes profession of being an essentialist. Have we not heard that benountable professor tell us that the multiplicity, the variety of the lesions in puerperal fever,